

WEST Search History

DATE: Friday, February 18, 2005

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| | | | |
|--------------------------|----|--|-----|
| <input type="checkbox"/> | L7 | L3 and (91 or 121) | 41 |
| <input type="checkbox"/> | L6 | l3 not L5 | 32 |
| <input type="checkbox"/> | L5 | L4 with coprinus | 28 |
| <input type="checkbox"/> | L4 | L1 with myceliophthora | 49 |
| <input type="checkbox"/> | L3 | L2 and coprinus | 60 |
| <input type="checkbox"/> | L2 | L1 and myceliophthora | 131 |
| <input type="checkbox"/> | L1 | LACCASE WITH (VARIANT OR MUTA\$ or chimer\$ or hybrid) | 218 |

END OF SEARCH HISTORY

Hit List

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|---------------|---------------------|-------|----------|-----------|
| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs |
| Generate OACS | | | | |

Search Results - Record(s) 21 through 28 of 28 returned.

☐ 21. Document ID: US 6809074 B2

Using default format because multiple data bases are involved.

L5: Entry 21 of 28

File: USPT

Oct 26, 2004

US-PAT-NO: 6809074

DOCUMENT-IDENTIFIER: US 6809074 B2

TITLE: Modified starch-based polymer-containing fabric care compositions and methods employing same

DATE-ISSUED: October 26, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------------|--------------|-------|----------|---------|
| Moe; Jennifer Leupin | West Chester | OH | | |
| Spendel; Wolfgang Ulrich | Cincinnati | OH | | |

US-CL-CURRENT: 510/473; 510/470, 8/137

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KM/C | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|---------|

☐ 22. Document ID: US 6750188 B2

L5: Entry 22 of 28

File: USPT

Jun 15, 2004

US-PAT-NO: 6750188

DOCUMENT-IDENTIFIER: US 6750188 B2

TITLE: Compositions for treating shoes and methods and articles employing same

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KM/C | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|---------|

☐ 23. Document ID: US 6733539 B2

L5: Entry 23 of 28

File: USPT

May 11, 2004

US-PAT-NO: 6733539

DOCUMENT-IDENTIFIER: US 6733539 B2

TITLE: Compositions for the oxidation dyeing of keratinous fibers comprising at least one oxidation dye and at least one enzymatic oxidizing agent, and dyeing

methods

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMIC | Drawn |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-------|

☐ 24. Document ID: US 6730133 B1

L5: Entry 24 of 28

File: USPT

May 4, 2004

US-PAT-NO: 6730133

DOCUMENT-IDENTIFIER: US 6730133 B1

**** See image for Certificate of Correction ****

TITLE: Compositions for oxidation dyeing of at least one keratinous fibre and dying processes using these compositions

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMIC | Drawn |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-------|

☐ 25. Document ID: US 6726362 B1

L5: Entry 25 of 28

File: USPT

Apr 27, 2004

US-PAT-NO: 6726362

DOCUMENT-IDENTIFIER: US 6726362 B1

TITLE: Shoe bags for use in laundering process

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMIC | Drawn |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-------|

☐ 26. Document ID: US 6716808 B1

L5: Entry 26 of 28

File: USPT

Apr 6, 2004

US-PAT-NO: 6716808

DOCUMENT-IDENTIFIER: US 6716808 B1

TITLE: Detergent compositions comprising hybrid zeolite builders containing an occluded nonsilicate

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMIC | Drawn |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-------|

☐ 27. Document ID: US 6503876 B1

L5: Entry 27 of 28

File: USPT

Jan 7, 2003

US-PAT-NO: 6503876

DOCUMENT-IDENTIFIER: US 6503876 B1

TITLE: Stable non-aqueous liquid laundry detergents comprising low density particles

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|

☐ 28. Document ID: WO 200183761 A1, AU 200154622 A, US 20020192792 A1

L5: Entry 28 of 28

File: DWPI

Nov 8, 2001

DERWENT-ACC-NO: 2002-041497

DERWENT-WEEK: 200371

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TITLE: New laccase variants from Coprinus and Myceliophthora thermophila with improved oxidative stability, useful for paper strengthening, dye transfer inhibition, bleaching of textiles and waste water treatment

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|

| | | | | | |
|-------|---------------------|-------|----------|-----------|---------------|
| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |
|-------|---------------------|-------|----------|-----------|---------------|

| | |
|------------------|-----------|
| Terms | Documents |
| L4 with coprinus | 28 |

Display Format:

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What is claimed is:

1. A variant of a parent *Polyporus pinsitus* (I) laccase, which comprises a mutation in a position corresponding to at least one of the following positions in SEQ ID No. 2:

W107,
Y116,
Y108,
Y152,
M57, and/or
M328.

2. A variant of a parent *Polyporus pinsitus* (II) laccase, which comprises a mutation in a position corresponding to at least one of the following positions in SEQ ID No. 3:

W107,
Y116,
Y108,
Y152; and/or
M57.

3. A variant of a parent *Phlebia radiata* laccase, which comprises a mutation in a position corresponding to at least one of the following positions in SEQ ID No. 4:

W128,
Y137,
Y129,
Y137, and/or
M78.

4. A variant of a parent *Rhizoctonia solani* (I) laccase, which comprises a mutation in a position corresponding to at least one of the following positions in SEQ ID No. 5:

W126,
Y135,
Y127,
Y171, and/or
M76.

5. A variant of a parent *Rhizoctonia solani* (II) laccase, which comprises a mutation in a position corresponding to at least one of the following positions in SEQ ID No. 6:

W439,
W125,
Y134,
Y126,
Y170, and/or
M75.

272

6. A variant of a parent *Rhizoctonia solani* (III) laccase, which comprises a mutation in a position corresponding to at least one of the following positions in SEQ ID No. 7:

W411,
W125,
Y134,
Y126,
Y170, and/or
M75.

7. A variant of a parent *Rhizoctonia solani* (IV) laccase, which comprises a mutation in a position corresponding to at least one of the following positions in SEQ ID No. 8:

W411,
W125,
Y134,
Y126,
Y170, and/or
M75.

8. A variant of a parent *Scytalidium thermophilum* laccase, which comprises a mutation in a position corresponding to at least one of the following positions in SEQ ID No. 9:

M483,
W422,
W181,
Y190,
M530,
Y182,
Y221,
M300, and/or
M313.

9. A variant of a parent *Myceliophthora thermophila* laccase, which comprises a mutation in a position corresponding to at least one of the following positions in SEQ ID No. 10:

W507,
M433,
W373,
W136,
Y145,
M480,
Y137,
Y176, and/or
M254.

* * * * *

\$%^STN;Highlighton= ***;Highlightoff=*** ;

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- NEWS 10 DEC 17 COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
- NEWS 11 DEC 17 SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
- NEWS 12 DEC 17 CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
- NEWS 13 DEC 17 THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
- NEWS 14 DEC 30 EPFULL: New patent full text database to be available on STN
- NEWS 15 DEC 30 CAPLUS - PATENT COVERAGE EXPANDED
- NEWS 16 JAN 03 No connect-hour charges in EPFULL during January and February 2005
- NEWS 17 JAN 26 CA/CAPLUS - Expanded patent coverage to include the Russian Agency for Patents and Trademarks (ROSPATENT)
- NEWS 18 FEB 10 STN Patent Forums to be held in March 2005
- NEWS 19 FEB 16 STN User Update to be held in conjunction with the 229th ACS National Meeting on March 13, 2005
- NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
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| FULL ESTIMATED COST | 0.21 | 0.21 |

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=> s laccase (5a)(variant or muta? or chimer? or hybrid)
9 FILES SEARCHED...
L1 336 LACCASE (5A)(VARIANT OR MUTA? OR CHIMER? OR HYBRID)

=> s l1 (5a) myceliophthora (5a) coprinus
L2 2 L1 (5A) MYCELIOPHTHORA (5A) COPRINUS

=> d 1,2

L2 ANSWER 1 OF 2 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
AN 2002-03714 BIOTECHDS
TI New ***laccase*** ***variants*** from ***Coprinus*** and
Myceliophthora thermophila with improved oxidative stability,
useful for paper strengthening, dye transfer inhibition, bleaching of
textiles and waste-water treatment;
vector-mediated gene transfer and expression in host cell for
recombinant protein production, surfactant and textile treatment
AU Schneider P; Danielson S; Svendsen A
PA Novozymes
LO Bagsvaerd, Denmark.
PI WO 2001083761 8 Nov 2001
AI WO 2001-DK292 30 Apr 2001
PRAI US 2001-277817 21 Mar 2001; DK 2000-707 28 Apr 2000
DT Patent
LA English
OS WPI: 2002-041497 [05]

L2 ANSWER 2 OF 2 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN
AN 2002-041497 [05] WPIDS
CR 2001-626552 [72]; 2002-062127 [08]
DNC C2002-011837
TI New ***laccase*** ***variants*** from ***Coprinus*** and
Myceliophthora thermophila with improved oxidative stability,
useful for paper strengthening, dye transfer inhibition, bleaching of
textiles and waste water treatment.
DC D16 D25
IN DANIELSEN, S; SCHNEIDER, P; SVENDSEN, A
PA (NOVO) NOVOZYMES AS; (DANI-I) DANIELSEN S; (SCHN-I) SCHNEIDER P; (SVEN-I)
SVENDSEN A
CYC 95
PI WO 2001083761 A1 20011108 (200205)* EN 154 C12N015-53
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ
NL OA PT SD SE SL SZ TR TZ UG ZW

W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK
DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD
SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

AU 2001054622 A 20011112 (200222) C12N015-53
US 2002192792 A1 20021219 (200303) C12N009-24
ADT WO 2001083761 A1 WO 2001-DK292 20010430; AU 2001054622 A AU 2001-54622
20010430; US 2002192792 A1 WO 2001-DK292 20010430, US 2001-869877 20010706
FDT AU 2001054622 A Based on WO 2001083761
PRAI US 2001-277817P 20010321; DK 2000-707 20000428;
US 2000-203345P 20000510; DK 2001-327 20010228
IC ICM C12N009-24; C12N015-53
ICS C07H021-04; C11D003-386; C12N001-15; C12N001-21; C12N005-06;
C12N009-02; C12N015-63; C12P021-02; D06M016-00
ICI C12R001:69; C12R001:685; C12R001:645; C12N009-02; C12N001-15

=> s l1 and myceliophthora and coprinus
L3 9 L1 AND MYCELIOPHTHORA AND COPRINUS

=> dup rem l3
PROCESSING COMPLETED FOR L3
L4 4 DUP REM L3 (5 DUPLICATES REMOVED)

=> d 1-4

L4 ANSWER 1 OF 4 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
DUPLICATE 1
AN 2002-03714 BIOTECHDS
TI New ***laccase*** ***variants*** from ***Coprinus*** and
Myceliophthora thermophila with improved oxidative stability,
useful for paper strengthening, dye transfer inhibition, bleaching of
textiles and waste-water treatment;
vector-mediated gene transfer and expression in host cell for
recombinant protein production, surfactant and textile treatment
AU Schneider P; Danielson S; Svendsen A
PA Novozymes
LO Bagsvaerd, Denmark.
PI WO 2001083761 8 Nov 2001
AI WO 2001-DK292 30 Apr 2001
PRAI US 2001-277817 21 Mar 2001; DK 2000-707 28 Apr 2000
DT Patent
LA English
OS WPI: 2002-041497 [05]

L4 ANSWER 2 OF 4 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
DUPLICATE 2
AN 1998-08938 BIOTECHDS
TI New ***laccase*** ***variants*** with improved stability;
mutant recombinant enzyme preparation, for use in e.g. lignin
modification; paper strengthening, phenol polymerization, hair dyeing,
textile bleaching and waste-water treatment
AU Pedersen A H; Svendsen A; Schneider P; Rasmussen G; Cherry J R
PA Novo-Nordisk
LO Bagsvaerd, Denmark.
PI WO 9827198 25 Jun 1998
AI WO 1997-DK571 16 Dec 1997
PRAI DK 1997-1021 8 Sep 1997; DK 1996-1449 19 Dec 1996
DT Patent
LA English
OS WPI: 1998-362768 [31]

L4 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 3
AN 1998:608693 HCAPLUS
DN 129:213527
TI Three-dimensional structure of ***Coprinus*** cinereus ***laccase***
and the design of ***mutants*** with improved properties for
industrial uses
IN Svendsen, Allan; Xu, Feng
PA Novo Nordisk A/S, Den.
SO PCT Int. Appl., 148 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 9838287 A1 19980903 WO 1998-DK70 19980223
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

AU 9859833 A1 19980918 AU 1998-59833 19980223
EP 977833 A1 20000209 EP 1998-902972 19980223
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI
US 5985818 A 19991116 US 1998-32315 19980227
US 6184015 B1 20010206 US 1999-396260 19990915
US 2001031490 A1 20011018 US 2000-732350 20001207

PRAI DK 1997-222 A 19970228
WO 1998-DK70 W 19980223
US 1998-32315 A3 19980227
US 1999-396260 A3 19990915

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1997:533723 HCAPLUS
DN 127:207317
TI Cleaner or bleach containing chimeric cellulose binding domain-noncellulolytic enzyme for washing soiled or stained cellulosic fabric
IN Von Der Osten, Claus; Cherry, Joel R.; Bjornvad, Mads Eskelund; Vind, Jesper; Rasmussen, Michael Dolberg
PA Novo Nordisk A/S, Den.
SO PCT Int. Appl., 123 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| PI WO 9728243 | A1 | 19970807 | WO 1997-DK42 | 19970129 |
| W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| CA 2239576 | AA | 19970807 | CA 1997-2239576 | 19970129 |
| AU 9714384 | A1 | 19970822 | AU 1997-14384 | 19970129 |
| EP 882123 | A1 | 19981209 | EP 1997-900947 | 19970129 |
| EP 882123 | B1 | 20040922 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI | | | | |
| CN 1209833 | A | 19990303 | CN 1997-191937 | 19970129 |
| CN 1109740 | B | 20030528 | | |
| AT 277160 | E | 20041015 | AT 1997-900947 | 19970129 |
| US 6015783 | A | 20000118 | US 1997-814052 | 19970306 |
| PRAI DK 1996-94 | A | 19960129 | | |
| WO 1997-DK42 | W | 19970129 | | |

=> d 1-4 ab

L4 ANSWER 1 OF 4 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
AB A ***variant*** (I) of a ***Coprinus*** sp. ***laccase*** (EC-1.10.3.2) having a ***mutation*** which improves the oxidative stability of the ***variant*** as compared to the parent ***laccase*** and a ***variant*** (II) of a parent ***Myceliophthora*** thermophila laccase, are claimed. (I) and (II) have specific mutations within specified protein sequences all fully defined in the specification. Also claimed are: a DNA construct (III) having a DNA sequence encoding (I) or (II); a recombinant expression vector (IV) which carries (III); a cell which is transformed with (III) or (IV); a surfactant additive having (I) or (II) in the form of a non-dusting granulate, a stabilized liquid or protected enzyme; and a surfactant composition having (I) or (II) and a surfactant. (I) and (II)

are useful for oxidizing a substrate, for dye transfer inhibition and for bleaching textiles, in particular for bleaching denim. The
 laccase variants are useful as surfactant compositions in household hard surface cleaning operations, or formulated for dishwashing operations, and in various industrial applications, in particular lignin modification, paper strengthening, phenol polymerization, hair dyeing and waste-water treatment. (154pp)

L4
AB

ANSWER 2 OF 4 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
 A new method for producing a ***Coprinus*** sp. or ***Coprinus***
 -like ***laccase*** (EC-1.10.3.2, protein sequence specified)
 mutant (I) with improved stability as compared to the parent
 laccase involves analyzing the structure of the parent enzyme to identify
 at least one amino acid residue or structural part which is of relevance
 for altering the enzyme stability, modifying the residue or structural
 part, and testing for enzyme stability. Also claimed are
 Coprinus sp., Polyporus pinsitus, Phlebia radiata, Rhizoctonia
 solani, Scytalidium thermophilum or ***Myceliophthora*** thermophila
 enzymes with specified mutations. The DNA sequence (specified) encoding
 (I) can be contained on a vector and used to transform a host cell. (I)
 can be used for e.g. lignin modification, paper strengthening, dye
 transfer inhibition in surfactants, phenol polymerization, hair dyeing,
 textile bleaching, especially denim bleaching, and waste-water treatment.
 In an example, ***mutagenesis*** was performed on ***laccase***
 DNA to produce ***mutants***, and the ***laccase*** activity of
 the ***mutants*** was tested. (167pp)

L4
AB

ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 3
 The present invention relates to a method of designing ***laccase***
 mutants with increased oxidn. potential and/or changed pH optimum
 and/or altered mediator pathway and/or altered O2/OH--pathway, which
 method is based on the hitherto unknown 3-dimensional structure of
 laccases. The structure of ***Coprinus*** cinereus laccase was solved
 in accordance with the principles for x-ray crystallog. methods, and is
 believed to be representative for the structure of any ***Coprinus***
 -like laccase. Specific amino acid residues appropriate for
 mutagenesis are provided for ***laccases*** from
 Coprinus cinereus, Polyporus pinsitus, and ***Myceliophthora***
 thermophila. The modified laccases may be useful (no data) for dye
 transfer inhibition, bleaching textiles such as denim, and in detergents.

L4
AB

ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2005 ACS on STN
 Fabric is contacted in aq. medium with a modified enzyme (enzyme hybrid)
 which comprises a catalytically active amino acid sequence of a
 noncellulolytic enzyme linked to an amino acid sequence comprising a
 cellulose-binding domain. Such enzymes may be derived by growing a
 transformed host cell contg. an expression cassette which comprises DNA
 sequence encoding the hybrid enzymes. A hybrid enzyme, comprising
 Clostridium stercoarum gene xynA xylanase cellulose binding fragment
 fused to Bacillus licheniformis .alpha.-amylase or catalytic fragment
 thereof, was produced with recombinant B. subtilis. A no. of other hybrid
 genes, encoding various cellulose binding domains from Cellulomonas fimi
 cenaA gene, Myceliophthora thermophila cellulase, and Humicola insolens
 cellulase linked to lipase, peroxidase, or laccase, were expressed in B.
 subtilis. A novel B. agaradherens endoglucanase gene was cloned and
 sequenced.

=> dis his

(FILE 'HOME' ENTERED AT 20:25:06 ON 18 FEB 2005)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS,
 NTIS, ESBIODBASE, BIOTECHNO, WPIDS' ENTERED AT 20:25:17 ON 18 FEB 2005
 336 S LACCASE (5A)(VARIANT OR MUTA? OR CHIMER? OR HYBRID)
 2 S L1 (5A) MYCELIOPHTHORA (5A) COPRINUS
 9 S L1 AND MYCELIOPHTHORA AND COPRINUS
 4 DUP REM L3 (5 DUPLICATES REMOVED)

> log h

OST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 35.26 | 35.47 |

ULL ESTIMATED COST

ISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |

CA SUBSCRIBER PRICE

-1.46

-1.46

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 20:31:26 ON 18 FEB 2005